Abstract of the Disclosure

Systems and methods are utilized to balance differential gains and thereby improve signal-to-noise ratio where information is transmitted across differential signal lines. Adjustable impedances are selectively applied to one or more of the differential signal lines in order to more closely match the gains on the signal lines. As a result, signal-to-noise ratio is improved. In a preferred exemplary embodiment, a plurality of impedance elements are selectively connected to one or more differential signal lines in order to adjust the differential gain between the two signal lines such that they are essentially equal thereby improving the overall signal-to-noise ratio.

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